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(12) United States Patent

(54) IMAGE GUIDED WHOLE BODY

STEREOTACTIC NEEDLE PLACEMENT DEVICE

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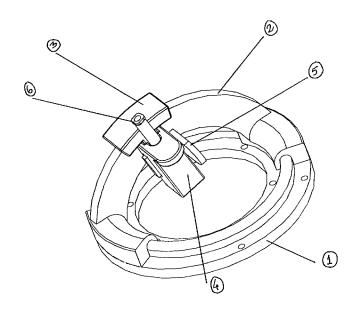
(57) ABSTRACT

The invention provides a an image guided whole body stereotactic needle placement device, for inserting needles or any such medical devices at a desired precise point in a body. The device is used under image guidance obtained from cross sectional imaging by Computerized Tomography and Magnetic Resonance Imaging.

The device has a circular base plate, a semicircular rotating arc that rotates on the base plate, a needle guide that guides the needle placed in a needle sizing tube, a needle guide cover, and a locking pin that locks the needle guide cover to the needle guide.

The device enables immediate detachment of the needle from the device enabling use also in body parts that move with respiration. The device is light weight and small with fixation mechanism to the body such that it can also be used even in newly born.

2 Claims, 9 Drawing Sheets



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